Mathematical Biosciences

an international journal

Volume 108 1992

S. Pavlou (Patras, Greece) and I. G. Kevrekidis (Princeton, New Jersey)
Microbial Predation in a Periodically Operated Chemostat: A Global Study of the Interaction Between Natural and Externally Imposed Frequencies 1
Nikolaus Becker and Werner Rittgen (Heidelberg, Germany)
Fitting Cancer Mortality Data with Cumulative Damage Models 57
George W. Swan (Edmonds, Washington)
The Diffusion of an Inhibitor in a Spherical Tumor 75
Wayne S. Kendal (Toronto, Ontario)
The Role of Multiple Somatic Point Mutations in Metastatic Progression 81
Charlotte H. Watts and Robert M. May (Oxford, England)
The Influence of Concurrent Partnerships on the Dynamics of HIV/AIDS 89
Yasuhiro Takeuchi (Hamamatsu, Japan), Yorimasa Oshime (Kyoto, Japan) and Hiroyuki Matsuda (Tokyo, Japan)
Persistence and Periodic Orbits of a Three-Competitor Model with Refuges 105
Hamish G. Spencer (Cambridge, Massachusetts and Hamilton, New Zealand) and Richard Barakat (Cambridge, Massachusetts)
Random Genetic Drift and Selection in a Triallelic Locus: A Continuous Diffusion Model 127
Edward H. Kaplan (New Haven, Connecticut)
Asymptotic Worst-Case Mixing in Simple Demographic Models of HIV/AIDS 141
K. Kubota (Tokyo, Japan) and E. H. Twizell (Middlesex, England)
A Nonlinear Numerical Model of Percutaneous Drug Absorption 157
R. Cressman (Waterloo, Ontario)
Evolutionarily Stable Sets in Symmetric Extensive Two-Person Games 179

Elsevier

YUN-XIN FU AND WEN-HSIUNG LI (Houston, Texas)
Necessary and Sufficient Conditions for the Existence of Linear Invariants in Phylogenetic Inference 203
J. MONTARDY-PAUSADER (Paris, France)
Computer Simulation of Bidimensional Growth of the Gametophyte of *Anemia phyllitidis* (L.) Sw 219
MICHAEL J. CHAPPELL AND KEITH R. GODFREY (Coventry, England)
Structural Identifiability of the Parameters of a Nonlinear Batch Reactor Model 241
MAITHILI SHARAN AND S. SELVAKUMAR (New Delhi, India)
The Effects of Chemical Kinetics on Oxygen Delivery to Tissue 253
STEINAR ENGEN (Dragvoll, Norway)
Sexual Mixing Models: A Comparison of Analogue Deterministic and Stochastic Models 279
ERRATUM 299
ANNOUNCEMENT 301